

Illinois Cabinet Air Monitoring Summary Tables

The tables below summarize preliminary air monitoring data collected using DustTrak DRX instruments.

Project Name: Illinois Cabinet RV
Date/Time: 11/25/2024 - 09:26 to 16:10

Weather

Temperature: 28 - 47 °F
Wind Speed: 15 - 26 miles per hour
Wind Direction: Northwest
Conditions: Cloudy

Downwind Air Monitoring Station (Southeast)							
Instrument	Analyte	Public Health Screening Level ¹	Public Health Screening Level Exceeded?	15-Minute Period Concentration Range	Average of All 15-Minute Periods	8-Hour Period Concentration Range	Average of All 8-Hour Periods
DustTrak (S/N: 8533213308)	PM _{2.5} (mg/m ³)	0.035 mg/m ³	Yes (see comment 2)	0.002 to 0.039	0.011427133	0.012 to 0.012	0.012
	PM ₁₀ (mg/m ³)	0.15 mg/m ³	No	0.004 to 0.041	0.011427133	0.015 to 0.015	0.015

North Air Monitoring Station							
Instrument	Analyte	Public Health Screening Level ¹	Public Health Screening Level Exceeded?	15-Minute Period Concentration Range	Average of All 15-Minute Periods	8-Hour Period Concentration Range	Average of All 8-Hour Periods
DustTrak (S/N: 8533233408)	PM _{2.5} (mg/m ³)	0.035 mg/m ³	Yes (see comment 2)	0.000 to 0.037	0.012105813	0.013 to 0.013	0.013
	PM ₁₀ (mg/m ³)	0.15 mg/m ³	No	0.000 to 0.050	0.013177878	0.014 to 0.014	0.014

East Air Monitoring Station							
Instrument	Analyte	Public Health Screening Level ¹	Public Health Screening Level Exceeded?	15-Minute Period Concentration Range	Average of All 15-Minute Periods	8-Hour Period Concentration Range	Average of All 8-Hour Periods
DustTrak (S/N: 8533233409)	PM _{2.5} (mg/m ³)	0.035 mg/m ³	Yes (see comment 2)	0.000 to 0.045	0.016322331	0.017 to 0.017	0.017
	PM ₁₀ (mg/m ³)	0.15 mg/m ³	No	0.000 to 0.047	0.016322331	0.018 to 0.018	0.018

Notes:

- Air monitoring measurements have been averaged over 15-minute and 8-hour time periods and summarized above.
- Start and stop times for each air monitoring instrument varies. The monitoring period is based on the earliest start time and latest stop time out of all units.
- Air monitoring is not performed during inclement weather conditions/rain and thunderstorms.
- 1 - Screening Levels are based on 24-hour time-weighted averages and were established by EPA's National Ambient Air Quality Standards (NAAQS).
- 2 - Upwind/off-site elevated levels of PM_{2.5} and PM₁₀ impacted downwind air monitoring stations.

Illinois Cabinet Air Monitoring Summary Tables

The tables below summarize preliminary air monitoring data collected using DustTrak DRX instruments.

Project Name: Illinois Cabinet RV
Date/Time: 11/26/2024 - 07:41 to 15:47

Weather

Temperature: 22 - 38 °F
Wind Speed: 10 - 19 miles per hour
Wind Direction: West / Northwest
Conditions: Sunny

Downwind Air Monitoring Station (Southeast)							
Instrument	Analyte	Public Health Screening Level ¹	Public Health Screening Level Exceeded?	15-Minute Period Concentration Range	Average of All 15-Minute Periods	8-Hour Period Concentration Range	Average of All 8-Hour Periods
DustTrak (S/N: 8533213308)	PM _{2.5} (mg/m ³)	0.035 mg/m ³	No	0.008 to 0.017	0.009540308	0.010 to 0.010	0.010
	PM ₁₀ (mg/m ³)	0.15 mg/m ³	No	0.009 to 0.024	0.009540308	0.011 to 0.011	0.011

North Air Monitoring Station							
Instrument	Analyte	Public Health Screening Level ¹	Public Health Screening Level Exceeded?	15-Minute Period Concentration Range	Average of All 15-Minute Periods	8-Hour Period Concentration Range	Average of All 8-Hour Periods
DustTrak (S/N: 8533233408)	PM _{2.5} (mg/m ³)	0.035 mg/m ³	No	0.008 to 0.025	0.011696121	0.012 to 0.012	0.012
	PM ₁₀ (mg/m ³)	0.15 mg/m ³	No	0.009 to 0.025	0.012077022	0.012 to 0.012	0.012

East Air Monitoring Station							
Instrument	Analyte	Public Health Screening Level ¹	Public Health Screening Level Exceeded?	15-Minute Period Concentration Range	Average of All 15-Minute Periods	8-Hour Period Concentration Range	Average of All 8-Hour Periods
DustTrak (S/N: 8533233409)	PM _{2.5} (mg/m ³)	0.035 mg/m ³	No	0.010 to 0.017	0.012087124	0.012 to 0.012	0.012
	PM ₁₀ (mg/m ³)	0.15 mg/m ³	No	0.011 to 0.029	0.012087124	0.015 to 0.015	0.015

Notes:

Air monitoring measurements have been averaged over 15-minute and 8-hour time periods and summarized above.
Start and stop times for each air monitoring instrument varies. The monitoring period is based on the earliest start time and latest stop time out of all units.
Air monitoring is not performed during inclement weather conditions/rain and thunderstorms.
1 - Screening Levels are based on 24-hour time-weighted averages and were established by EPA's National Ambient Air Quality Standards (NAAQS).